# ARINZE JONAS EZEALI

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in Linkedin | Github

Babcock University Ilishan-Remo, Ogun, Nigeria, 121003

#### RESEARCH AREAS

- · Computer Vision, Natural Language Processing, Machine Learning
- With particular focus on how ML models can be used to improve computer vision /How language models interact both with humans and other models.

#### **EDUCATION**

• Babcock University

*September* 2023 - *July* 2025

Master of Scienece (M.sc) in Computer Science

Ilishan-Remo, Nigeria

• GPA: 4.05/5.00

• Ebonyi State University

February 2013 - October 2019

Bachelor of Science Computer Science

Abakaliki, Nigeria

• CGPA: 2.87/5.00

Victory Comprehensive College

June 2012 Ebonyi, Nigeria

Secondary Education

# HONORS AND AWARDS

• Best Tech Talent Speaker

March 2020

National Youth Service Corps

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## PATENTS AND PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

- [S.1] Ernest Onuiri, Arinze J Eezali, Kelechi Umeaka. (2023). Automated Analysis of Pap Smear Tests for Enhanced Cervical Cancer Diagnostics: A Systematic Review and Meta-Analysis. Manuscript submitted for publication in *International Journal of Computer Applications*.
- [S.2] Ayodeji Abiodun, Uche-Jerry Nzenwata, John Adeyemi, Olayinka Adelola, Jonas Ezeali, Precious Vincent. (2023). Advancements in MRI-Based Brain Tumour Classification through Convolutional Neural Networks: A Systematic Review and Meta-analysis. Manuscript submitted for publication in Journal of Artificial Intelligence Research.
- [T.1] Taiwo Adigun, Arinze J Eezali, Ernest Onuiri. (2024). Engineering Robust Machine Learning Models for Face Detection and Recognition in Diverse Environmental Conditions.
- [T.2] Reinforcement Learning for Real-Time Autonomous Drone Interception: Enhancing Decision-Making in High-Stakes Combat Scenarios.

#### **INDUSTRY EXPERIENCE**

• Buchi Market Hub [�]

Feb 2022 - Present

Software Engineer

Asaba, Nigeria

- I lead a team developers who built an e-commerce platform using React Js, Swiper js, Node Js, Paystack APIs, and MongoDB, which significantly increased the company's sales revenue and reaching more audience.
- We analyzed website performance, identifying and resolving speed issues caused by large images and high traffic volume.
- I implemented Azure cloud deployment, reducing average load time by 25
- $\circ$  We presented improvements, scalability findings to management, leading to a job extension and additional referrals.

• Upwork [ Feb 2022 - Present
Freelance - Front-end
Asaba, Nigeria

• Designed stunning front-end development projects, fixed bug issues for clients, and perform site migration tasks.

• Webgigo Enterprise [�]

Oct 2020 - Jan 2023

WordPress Developer

Abakaliki, Nigeria

We developed different kind of websites to help clients effectively reach and engage their target audiences.

• I lead a group of computer science graduates that taught programming languages (Java, JavaScript, and Python) to Industrial Training (IT) college students.

# • OBI Best Communication [

June 2015 - 2019

Mobile Software Technician

Abakaliki, Nigeria

- I collaborated with a team of engineers to reprogram the Android operating system, enhancing efficiency and enabling the handling of more complex tasks.
- Learned to replace integrated circuits, chips, and LEDs on cell phones, including work on motherboards.
- I learned and performed software reload tasks for iOS, Android, and Java runtime devices.

# JOFAMS Computer Center [ )

2013 - 2015

Computer Engineer

Abakaliki, Nigeria

- Worked with Linux operating systems, including basic Linux commands and dual-booting setups using GRUB to manage Linux OS alongside Samurai, Parrot, and Windows.
- Gained knowledge in computer architecture, including learning about computer working structures and performing repairs and servicing.

# PROJECTS/ RESEARCH

## • Robust ML Model: [Framework to enhance face detection performance]

2023

Tools: [Pytorch]

- Development of an ML model to enhance face detection under diverse conditions.
- Testing the effectiveness of accuracy, precision, and recall of this model

## • BuchimarketHub: [E-commerce store]

June- 2023

Tools: [React, Swiper js, Node js, MongoDb, Azure, Git, Paystack]

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- Developed a React-based e-commerce website for a client using the React framework for the client side and Node.js with Axios for the server side, enhancing their business presence. Integrated Paystack payment APIs for secure and efficient payment processing.
- CodewithJonas: [Portfolio Website]

April- 2023

Tools: [React, Bootstrap, Three.js, Docker]

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#### SKILLS

- Programming Languages: Javascript, Node, Python, Java, HTML, CSS
- Web Technologies: React JS, Boostrap, Three.js, Laravel PHP, Django, Pytorch, Tailwind
- Database Systems: Mysqli, MongoDB, Cosmos DB
- Data Science & Machine Learning: Hugging Face, TensorFlow,
- Cloud Technologies: Azure, GCP, Git control
- Specialized Area: Full stack Web Apps, Research, Technical Writing

## TEACHING EXPERIENCE

# Teaching Assistant

2024 - now

Babcock University

I am currently a teaching assistant in the Computer Science Department at Babcock University, where I assist my
thesis supervisor with teaching and grading undergraduate students. I also help undergraduate students with their
theses and research projects.

# Front-End Developer

2020 - 2023

Webgigo Enterprise

 While at Webgigo Enterprise, I taught interns basic programming languages such as HTML, CSS, and Vanilla JavaScript, as well as how to build professional websites using WordPress. I also taught students CPA marketing, targeted Google advertising, and Facebook advertising.

#### LEADERSHIP EXPERIENCE

Lead Developer

2020 - 2023

Webgigo Enterprise

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- Lead speaker at tech campus conferences, raising awareness about the importance of cloud development in the IT sector in Nigeria.
- Quantifiable impact on solving code-related problems, bug detection, and fixing.

#### CERTIFICATIONS

# REFERENCES

# 1. Dr Ernest Onuiri

PG Coordinator, Computer Science

**Babcock University** 

Email: onuirie@babcock.edu.ng

Phone: +X-XXX-XXX-XXX Relationship: [Program Advisor]

# 2. Dr Nworie Felix Sunday

Lecturer, Industrial Chemistry

Ebonyi State University

Email: nworie.sunday@ebsu.edu.ng

Phone: +234 803 481 3342 *Relationship:* [*Mentor*]

# 3. Dr. Taiwo Adigun

Lecturer, Computer Science

Babcock University

Email: adigunt@babcock.edu.ng

Phone: +234 805 300 2160 Relationship: [Thesis Supervisor]